

## Targeted silviculture in Drinking Water Protection Zones (DWPZ)



In drinking water protection zones (DWPZ) it may be necessary to transform forest stands which are not site-conform into more stable stands. During this process it can occur that the tree species which are not site-conform become a source of wood through the specific silvicultural transformation strategies. The amount of achievable wood is medium, as the timber-cutting activities have to be in line with the requirements for DWPZ. In Austria the main tree species in such situations will be Norway spruce (*Picea abies*). In DWPZ the amount of timber (wood) achievable through forest stand transformation strategies can be given but is limited as the guidelines for silviculture in DWPZ have to be applied. Hence no clear-cut activities are allowed there. Despite this fact it will be necessary to transform homogeneous spruce plantations into more stable forest stands. This process will release a limited amount of timber (wood). Cutting of Norway spruce in DWPZ which grows on sites which are not adequate for it in terms of forest ecosystem stability could yield medium amounts of wood. This process of cutting Norway spruce on sites of e.g. beech forest hydrotopes will last until the forest transformation is fulfilled. In all cases the guarantee of forest ecosystem stability is more important than the amount of timber yield. Hence the quantities of timber released in DWPZ will be limited in all cases.

## DETALJER

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### OPPRINNELSE FOR TRE

Skog

### TYPE TRE

Tre fra rundtvirke

### TYPE TRE INVOLVERT

Stemwood

### PÅVIRKNING PÅ MILJØ OG BIOLOGISK MANGFOLD

Positive

### INNTEKTSEFFEKT

Less

### UTNYTTELSESPOTENSIAL

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### HUB

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### ØKONOMISK PÅVIRKNING

Less

### SPESIFIKKE KUNNSKAPSBEHOV

High

### MOBILISERINGSPOTENSIAL

Less

### BÆREKRAFTPOTENSIAL - VERDI

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### ENKEL IMPLEMENTERING

Difficult

### ENKEL IMPLEMENTERING - EVALUERING

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### VIKTIGE FORUTSETNINGER

Hydrotop model

### TYPE BEGIVENHET DER DENNE BPI HAR BLITT OMTALT

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### EFFEKT PÅ ARBEIDSPLASSER

Positive

### KOSTNADER MED IMPLEMENTERING (EURO - €)

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## MER INFORMASJON

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### UTFORDRING ADRESSERT

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### DOMENE

Skogforvaltning, skogskjøtsel, økosystemtjenester  
Skogskader, risiko, katastrofeberedskap

### TYPE LØSNING

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### NØKKEWORD

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### DIGITAL LØSNING

Nei

### INNOVASJON

Ja

### OPPRINELSESLAND

Østerrike

### POTENSIALE

Nasjonal

### START OG SLUTT ÅR

2018 -

## KONTAKT INFORMASJON

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### EIER ELLER FORFATTER

### RAPPORTØR

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## REFERENCES AND RESOURCES

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### HJEMMESIDE (HOVEDSIDE)

<https://boku.ac.at/wabo>

### PROSJEKTETS HJEMMESIDE

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### RESSURSER

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### REFERANSE TIL PROSJEKT

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PROSJEKT SOM DETTE FAKTAARKET ER OPPRETTET UNDER

Rosewood

INNLEGGSDATO

27 sep 2019

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 862681

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

